

Converting Colors

CIELCh(65, 68.394, 39.776)

Have a look what the booklet for
CIELCh(65, 68.394, 39.776) contains.

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Color

CIELCh(65, 67.886, 39.827)

Conversions

Conversions Part 1

Format	Color
Hex	FF7253
RGB	255, 114, 83
RGB Percent	100%, 45%, 33%
CMY	0.0000, 0.5537, 0.6756
CMYK	0.00, 0.55, 0.68, 0.00
HSL	11°, 100%, 66%
HSV	11°, 68%, 100%
XYZ	49.1302, 34.0472, 12.1080
YIQ	152.6250, 93.9870, 20.2510

Conversions

Conversions Part 2

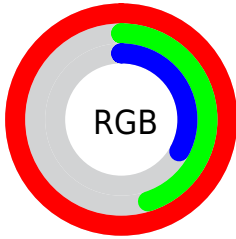
Format	Color
R _Y B	255, 121, 83
Decimal	16740947
CIE Lab	65.00, 52.14, 43.48
CIE LCh	65, 67.886, 39.827
Yxy	34.0472, 0.5156, 0.3573
Android (android.graphics.Color)	4294931027 (0xFFFF7253)
YUV	152.6250, -34.3251, 89.7829
Hunter-Lab	58.3500, 48.1832, 28.5419

Details

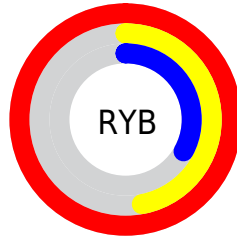
The CIELCh color **65, 67.886, 39.827** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **83, 38.543, 222.827**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 42.014, 48.619**, and **45, 67.506, 39.743** is the 20% darker color. If you saturate the color by 10%, you get **61, 79.486, 41.105**, and if you desaturate by 10%, it is **69, 55.598, 38.837**.

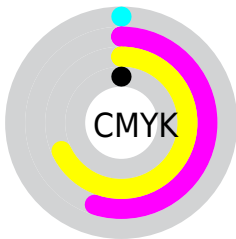
Distribution



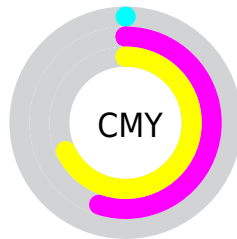
- Red (100%)
- Green (45%)
- Blue (33%)



- Red (100%)
- Yellow (47%)
- Blue (33%)



- Cyan (0%)
- Magenta (55%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (55%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 67.886, 39.827 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 65, 67.886, 39.827 by changing the saturation by 10% instead.

65, 67.886, 39.827

65, 67.886, 39.827

100, 67.886,
39.827

55, 67.886, 39.827

85, 67.886, 39.827

45, 67.886, 39.827

95, 67.886, 39.827

35, 67.886, 39.827

25, 67.886, 39.827

15, 67.886, 39.827

5, 67.886, 39.827

0, 67.886, 39.827

65, 67.886, 39.827

65, 67.886, 39.827

61, 79.486, 41.105

69, 55.598, 38.837

■ 58, 90.607, 42.196

■ 74, 44.205, 38.060

■ 56, 98.965, 42.451

■ 79, 33.507, 37.539

■ 55, 100.635,
42.501

■ 84, 23.570, 37.235

■ 90, 14.396, 37.097

■ 96, 5.945, 37.048

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65, 67.886, 39.827



83, 38.543, 222.827

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 67.886, 39.827



65, 67.886, 89.827



65, 67.886, 219.827



65, 67.886, 269.827

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65, 67.499, 39.880



89, 16.563, 37.118



64, 88.132, 333.809



46, 11.436, 37.152



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65, 67.499, 39.880



60, 83.480, 41.522



83, 64.013, 81.763



50, 4.505, 37.059



42, 80.624, 42.876



12, 30.267, 36.089

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83, 38.543, 222.827



81, 41.694, 225.926



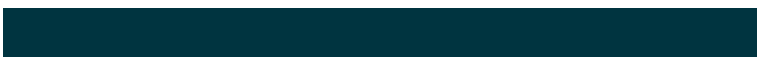
60, 65.165, 285.708



52, 4.240, 217.513



60, 35.142, 231.390



19, 16.134, 226.643

Previews

White Background



This preview shows how the CIELCh color 65, 67.886, 39.827 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 65, 67.886, 39.827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 67.886, 39.827

Background



This preview shows how black text looks on a background with the CIELCh color 65, 67.886, 39.827.



This preview shows how white text looks on a background with the CIELCh color 65, 67.886, 39.827.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

65, 67.373, 39.851

Protanopia

65, 33.336, 96.075

Deuteranopia

65, 46.092, 79.270



Tritanopia
65, 60.313, 23.313

Trichromacy



Original Color
65, 67.373, 39.851

Protanomaly
64, 39.501, 64.104

Deuteranomaly
64, 50.479, 60.119

Tritanomaly
65, 62.303, 29.956

Monochromacy



Original Color
65, 67.373, 39.851

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 22.478, 37.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 67.886, 39.827 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 114, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 83)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 114, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 67.886, 39.827 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 114, 83) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 114, 83) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 114, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 67.886, 39.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 83) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
114, 83) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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